

INTERNATIONAL SEARCH REPORT

International Application No

PC 03/04586

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07F/21

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HADDAD T S ET AL: "HYBRID, NORBORNENYL-BASED POLYHEDRAL OLIGOSILSESQUIOXANE (POSS) POLYMERS" POLYMER PREPRINTS, AMERICAN CHEMICAL SOCIETY, US, vol. 38, no. 1, 1997, pages 127-128, XP002939122 ISSN: 0032-3934 siehe die Verbindung 4	1-5, 14-16, 18,20
P,X	WO 02 100867 A (UNIV MICHIGAN ;CHOI JIWON (US); LAINE RICHARD M (US); TAMAKI RYO () 19 December 2002 (2002-12-19) the whole document --- -/--	1-29

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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Date of the actual completion of the international search

11 September 2003

Date of mailing of the international search report

26/09/2003

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PCT 03/04586

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03 052014 A (SCHLEICH BERNHARD ; SCHMIDT FRIEDRICH GEORG (DE); KUEHNLE ADOLF (DE) 26 June 2003 (2003-06-26) page 11, line 11 - line 26 page 28, line 5 page 29, line 14 - line 27 page 31, line 1 - line 13 examples 1.2-1.4 ---	1-29
Y	CHOI JIWON ET AL: "Phenylsilsesquioxanes and their derivatives as nanosized building blocks for nanocomposites" CAPLUS, XP002220203 abstract ---	1-29
Y	LAINE R M ET AL: "Functionalized phenyl silsesquioxanes as components in novel nanocomposit materials" CAPLUS, XP002220202 abstract ---	1-29
Y	TAMAKI RYO ET AL: "Octa(aminophenyl)silsesquioxane as a new platform for nanocomposites" CAPLUS, XP002220201 abstract ---	1-29
Y	TAMAKI R ET AL: "OCTA(AMINOPHENYL)SILSESQUIOXANE AS A NANOCONSTRUCTION SITE" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 123, 12 December 2001 (2001-12-12), pages 12416-12417, XP002220200 ISSN: 0002-7863 the whole document ---	1-29
Y	ZHANG, CHUNXIN ET AL: "Hydrosilylation of Allyl Alcohol with 'HSiMe2OSiO1.5!8: Octa(3-hydroxypropyldimethylsiloxy)octasil sesquioxane and Its Octamethacrylate Derivative as Potential Precursors to Hybrid Nanocomposites" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY (2000), 122(29), 6979-6988 , XP002254242 the whole document ---	1-29
Y	WO 01 46295 A (HYBRID PLASTICS) 28 June 2001 (2001-06-28) the whole document ---	1-29
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In: International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01 10871 A (HYBRID PLASTICS) 15 February 2001 (2001-02-15) the whole document ----	1-29
E	DE 101 56 619 A (CREAVIS TECH & INNOVATION GMBH) 28 May 2003 (2003-05-28) siehe die Beispiele -----	1-29

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International Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 02100867	A	19-12-2002	EP	1328529 A1	23-07-2003
			WO	02100867 A1	19-12-2002
WO 03052014	A	26-06-2003	DE	10249453 A1	18-06-2003
			WO	03052014 A1	26-06-2003
WO 0146295	A	28-06-2001	AU	2910901 A	03-07-2001
			WO	0146295 A1	28-06-2001
WO 0110871	A	15-02-2001	AU	6524400 A	05-03-2001
			CN	1377361 T	30-10-2002
			EP	1208105 A1	29-05-2002
			JP	2003510337 T	18-03-2003
			WO	0110871 A1	15-02-2001
DE 10156619	A	28-05-2003	DE	10156619 A1	28-05-2003
			WO	03042223 A1	22-05-2003